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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,834	09/16/2003	Chen Feng	T140A/TELNP213USA	4887
23623	7590	05/19/2005	EXAMINER	
AMIN & TUROCY, LLP 1900 EAST 9TH STREET, NATIONAL CITY CENTER 24TH FLOOR, CLEVELAND, OH 44114			LEE, SEUNG H	
			ART UNIT	PAPER NUMBER
			2876	

DATE MAILED: 05/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/664,834	Applicant(s) FENG, CHEN	
	Examiner Seung H. Lee	Art Unit 2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 March 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,7-10 and 12-18 is/are rejected.
- 7) ☒ Claim(s) 3,5,6,11,19 and 20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Receipt is acknowledged of the response filed on 09 March 2005, which has been entered in the file.
2. The indicated allowability of claims 1, 2, 4-10, and 12-18 are withdrawn in view of the newly discovered reference(s) to Kannan (US 5,511,205). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 2, 4-10, and 12-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Kannan et al. (US 5,511,205)(hereinafter referred to as 'Kannan').

Re claims 1, 13, 14: Kannan teaches a power management system comprises a power source or battery (1312) powers a master device or main processor (252) or service processor (254) through a slave device or a battery controller (1010), a power detector within the battery controller that senses power provided to the master device via sensing a load on the battery or battery charge, and based thereupon regulates a

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power to the slave device by entering the battery controller into a sleep state (see Figs. 13-21; col. 23, lines 15-40).

Re claims 2, 4: The batter controller or the slave device performs a detecting of the power source available and allowing charging of the battery and supplying power to the main processor or service processor, etc. in which the such detecting, charging, and supplying power are performed using the various components such as a start-up circuitry (1302) and a power regulators (1304) serving as a comparator to notify the presence of power (see col. 23, lines 41-67).

Re claims 7, 16, and 17: The system including the microcontroller enters the sleep mode if the battery charge is below a threshold (col. 28, line 43- col. 30, line 13).

Re claim 8: The DC/DC converter (1504) comprises a switch that is needed to by off in order to reduce power supply to the slave device or the battery controller (see col. 29, lines 13-33).

Re claim 9, and 15: The battery controller or the slave device enters the sleep mode or selectively reducing power.

Re claims 10 and 18: The battery microcontroller execute the initialization routine for providing power when it detects the power supply (e.g., externally or battery) (col. 26, line 15-39; col. 28, line 58- col. 29, line 12).

Re claim 12: The batter is charged by current load wherein the battery controller is performs charging functions (see col. 23, lines 15-23; col. 27, lines 8-33).

Allowable Subject Matter

5. Claims 3, 5, 6, 11, 19, and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

Although, the best prior art of records to Kannan teaches power managing system for reducing power supply to the slave device according to the power supplied to the master device. However, Kannan taken alone or in combination of other references thereof, fails to particularly teach that a system and a method for powering the master-slave device arrangement comprises a that the master device is a scan engine of data collection device as set forth in the claims.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Seung H. Lee whose telephone number is (571) 272-2401. The examiner can normally be reached on Monday-Friday, 7:30 AM- 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Seung H Lee
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May 13, 2005